

SKILLS PRACTICE 22

For use with Lessons 8-3-8-4

NAME _____

DATE _____

8-3

Solve using the addition method.

1. $2x + y = 1$
 $x - y = 11$ _____

2. $3x - 2y = 12$
 $5x + 2y = 4$ _____

3. $2x + 5y = 2$
 $3x - 2y = 3$ _____

4. $6x + 3y = 0$
 $8x + 5y = 8$ _____

5. $x + y = 6$
 $x - y = 10$ _____

6. $-x - y = 15$
 $4x - y = -5$ _____

Solve.

7. $x - 3y = 9$
 $3x + y = 7$ _____

8. $x + y = 4$
 $2x - y = 5$ _____

9. $x + 2y = 1$
 $2x - 3y = 16$ _____

10. $3x - y = -13$
 $x + 5y = 17$ _____

11. $2x + 3y = 12$
 $y - 2x = 4$ _____

12. $5x + 2y = 22$
 $x + 2y = 14$ _____

13. $y = 7 - 2x$
 $5y = -3x + 7$ _____

14. $x - y = 9$
 $3x + y = 11$ _____

Translate to a system of equations and solve.

15. The sum of two numbers is 14. Six times the first number minus three times the second number is 3. Find the numbers.

16. The sum of two numbers is 57.4. One number is six times the other. Find the numbers.

17. The sum of two numbers is 56. The difference is 22. Find the numbers.

8-4

Translate to a system of equations and solve.

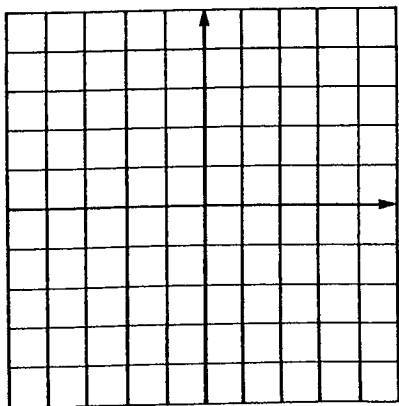
18. Tanisha has 70 coins, all quarters and dimes. There are 30 more quarters than dimes. Find the number of each type of coin.

19. A mother is 27 years older than her daughter. A year ago, the mother was twice as old as her daughter. How old is each now?

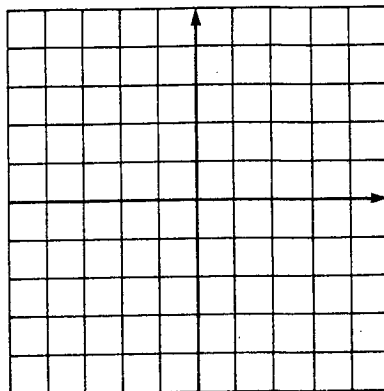
20. Two bagels and a glass of juice cost \$1.20. Three bagels and two glasses of juice cost \$2.05. Find the cost of a bagel and the cost of a glass of juice.

Graph.

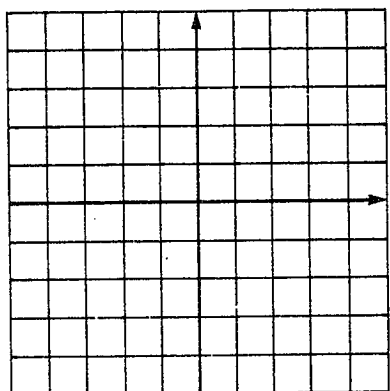
1. $5x + 6y > -19$
 $x - 2y > 9$



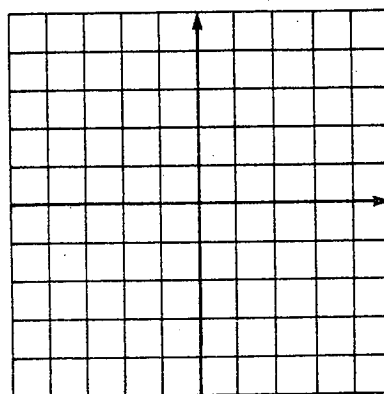
2. $y + 4 \geq 0$
 $4x + 5y \geq 0$



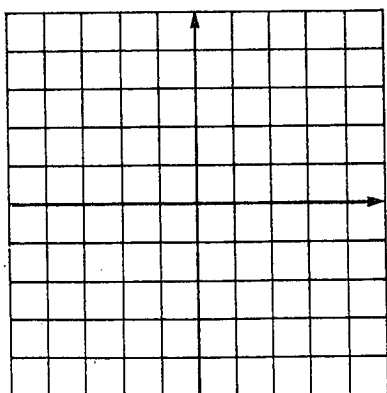
3. $x + y \leq 2$
 $x - 2 \geq 0$



4. $5x - 2y > -10$
 $3y - 2x > 0$



5. $2x - 3y \geq -6$
 $5x - 2y > -8$



6. $x - 2y \leq 1$
 $2x - y < 4$

